

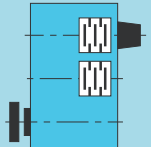
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This pocket book is intended to help the reader select an appropriate REINTJES marine gear for a diesel engine application. Contact REINTJES for assistance in determining an appropriate product for all other applications, or if the application requirements are unusual or unique.

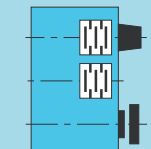
Type Selection

With its WVS and WAF series, REINTJES offers mature drive solutions for a wide range of applications.



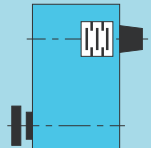
WVS
reverse reduction gear
with hydraulically operated clutches vertically offset, input and output on opposite sides

The diagram shows a vertical gear assembly with two gear pairs. The input shaft is on the left and the output shaft is on the right. The two gear pairs are vertically offset. The top gear pair is on the left side, and the bottom gear pair is on the right side.



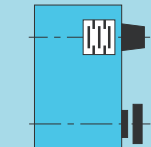
WVS/U
reverse reduction gear
with hydraulically operated clutches vertically offset, input and output on the same side

The diagram shows a vertical gear assembly with two gear pairs. The input shaft is on the left and the output shaft is on the right. The two gear pairs are vertically offset. Both gear pairs are on the left side of the assembly.



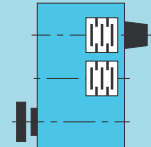
WLS or VLJ
reduction gear
with hydraulically operated clutch vertically offset, (VLJ alt. horizontally offset), input and output on opposite sides

The diagram shows a vertical gear assembly with one gear pair. The input shaft is on the left and the output shaft is on the right. The gear pair is vertically offset. The gear pair is on the left side of the assembly.



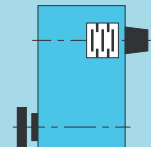
WLS/U
reduction gear
with hydraulically operated clutch vertically offset, input and output on the same side

The diagram shows a vertical gear assembly with one gear pair. The input shaft is on the left and the output shaft is on the right. The gear pair is vertically offset. Both the input and output shafts are on the right side of the assembly.



WAF
reverse reduction gear
with hydraulically operated clutches vertically offset, input and output on opposite sides

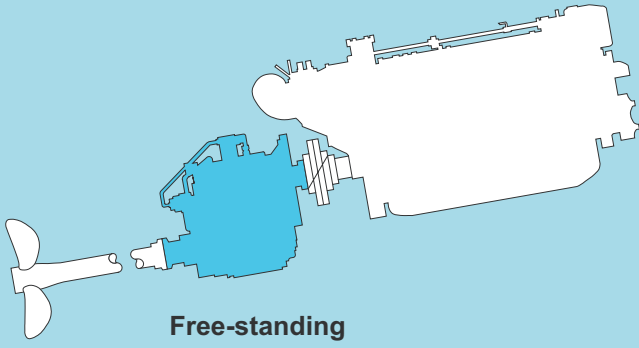
The diagram shows a vertical gear assembly with two gear pairs. The input shaft is on the left and the output shaft is on the right. The two gear pairs are vertically offset. The top gear pair is on the left side, and the bottom gear pair is on the right side.



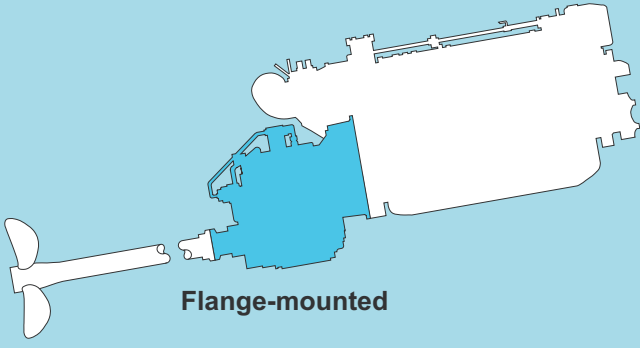
LAF
reduction gear
with hydraulically operated clutch vertically offset, input and output on opposite sides

The diagram shows a vertical gear assembly with one gear pair. The input shaft is on the left and the output shaft is on the right. The gear pair is vertically offset. The gear pair is on the left side of the assembly.

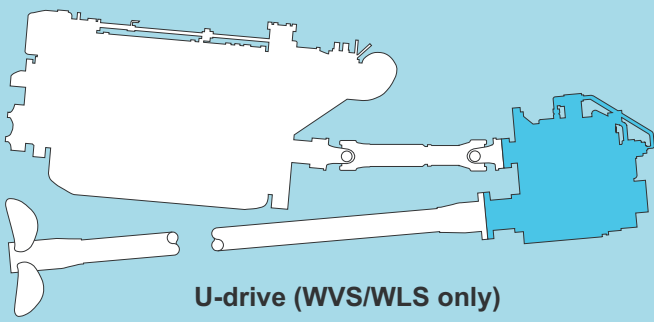
Applications



Free-standing



Flange-mounted



U-drive (WVS/WLS only)

Important Notes

Warranty

The marine gears are subject to the standard, agreed REINTJES warranty conditions.

Modifications of the gearbox are permissible only in consultation with REINTJES.

Torsional Responsibility

The torsional couplings are selected according to engine torque. In the event that different couplings are required as a result of the torsional vibration calculation, the costs for this change will be for the Purchaser's account. Torsional vibration analysis can be made by the engine builders, independent consultants etc. The responsibility for ensuring torsional compatibility of the propulsion system rests with the assembler of the equipment. REINTJES cannot be held liable for damages due to inadmissible high alternating moments on the units supplied by us. These will disengage us from any warranty agreement.

Safety Information

The majority of accidents which occur during operation, maintenance and repair are caused by failure to observe basic safety rules and accident-prevention precautions. Accidents can often be avoided by correct assessment of potentially hazardous situations. The operating personnel must, at all times, be alert to potential hazards. Furthermore, they must be fully trained, skilled operators provided with the necessary tools and equipment required to perform these functions correctly.

Supplementary to the operating manual, all generally valid legal and other binding regulations for accident prevention and pollution control have to be observed and adhered to.

Ratings

Ratings are for diesel engines only, at the rated speeds.

The models, ratings, text and data contained in this publication are subject to change without prior notice.

Engine rotation

REINTJES considers standard rotation engines to be counter clockwise (ccw) in rotation, when viewed onto the flywheel end. Please advise REINTJES of engine rotation prior to transmission selection.

Duty Cycle Classifications



Pleasure Duty

Intermittent operation with very large variations in engine speed and power.
Average engine operating hours limit:
500 hours/year
Allowable hull forms: planing, semi-planing
Allowable applications: private, non-commercial, non-charter, sport/leisure activities.



Light Duty

Intermittent operation with large variations in engine speed and power.
Average engine operating hours limit:
2,500 hours/year
Allowable hull forms: planing, semi-planing, displacement
Allowable applications: private, charter, sport/leisure activities, naval and police activities.



Medium Duty

Intermittent operation with some variations in engine speed and power.
Average engine operating hours limit:
4,000 hours/year
Allowable hull forms: planing, semi-planing, displacement, catamaran
Allowable applications: private, charter and commercial craft (example: crew boats), naval and police activities.



Continuous Duty

Continuous operation with little or no variations in engine speed and power.
Average engine operating hours:
unlimited
Allowable hull forms: displacement, semi-displacement
Allowable applications: commercial vessels



Continuous Duty

MODEL	kW/rpm	BHP (kW)		
		1,200 rpm	1,600 rpm	1,800 rpm
WAF 144 L	0,20	322 (240)	429 (320)	482 (360)
	0,19	306 (228)	407 (304)	458 (342)
	0,18	289 (216)	386 (288)	434 (324)
	0,17	273 (204)	364 (272)	410 (306)
WAF 164 L	0,20	322 (240)	429 (320)	482 (360)
	0,20	322 (240)	429 (320)	482 (360)
	0,16	257 (192)	343 (256)	386 (288)
WAF 244 L	0,25	402 (300)	536 (400)	603 (450)
	0,25	402 (300)	536 (400)	603 (450)
	0,23	370 (276)	493 (368)	555 (414)
	0,21	338 (252)	450 (336)	507 (378)
WAF 264 L	0,25	402 (300)	536 (400)	603 (450)
	0,25	402 (300)	536 (400)	603 (450)
	0,25	402 (300)	536 (400)	603 (450)
	0,22	354 (264)	472 (352)	531 (396)
WAF 274 L	0,25	402 (300)	536 (400)	603 (450)
WAF 344 L	0,33	531 (396)	708 (528)	796 (594)
	0,33	531 (396)	708 (528)	796 (594)
	0,29	466 (348)	622 (464)	699 (522)
	0,28	450 (336)	600 (448)	675 (504)
WAF 364 L	0,33	531 (396)	708 (528)	796 (594)
	0,33	531 (396)	708 (528)	796 (594)
	0,30	482 (360)	643 (480)	724 (540)
WAF 374 L	0,32	515 (384)	686 (512)	772 (576)
	0,29	466 (348)	622 (464)	699 (522)
WAF 444 L	0,40	643 (480)	858 (640)	965 (720)
	0,40	643 (480)	858 (640)	965 (720)
	0,35	563 (420)	750 (560)	844 (630)
WAF 464 L	0,40	643 (480)	858 (640)	965 (720)
	0,40	643 (480)	858 (640)	965 (720)
	0,40	643 (480)	858 (640)	965 (720)
WAF 474 L	0,40	643 (480)	858 (640)	965 (720)
	0,36	579 (432)	772 (576)	868 (648)
WAF 542 L	0,53	852 (636)	1136 (848)	1278 (954)
	0,53	852 (636)	1136 (848)	1278 (954)
	0,53	852 (636)	1136 (848)	1278 (954)
WAF 562 L	0,53	852 (636)	1136 (848)	1278 (954)
	0,53	852 (636)	1136 (848)	1278 (954)
	0,53	852 (636)	1136 (848)	1278 (954)
WAF 572 L	0,53	852 (636)	1136 (848)	1278 (954)
	0,53	852 (636)	1136 (848)	1278 (954)

WEIGHT Kg (lbs)	RATIOS	REMARKS
460 (1012)	2.539 2.957 3.522 3.952	* = special reduction ratios
580 (1276)	4.560 5.044 5.950	OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets.
490 (1078)	2.539 2.957 3.522 3.952	CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.
690 (1518)	4.083 4.500 5.050 5.800	
990 (2178)	7.043	
610 (1342)	2.452 2.963 3.571 4.053	
900 (1980)	4.481 4.920 6.048	
1290 (2838)	7.091 7.476	
820 (1804)	2.962 3.522 3.952	
1030 (2266)	4.577 5.042 5.905	
1950 (4290)	7.091 7.467	
1120 (2464)	2.960 3.955 4.450	
1490 (3278)	5.050 5.421 5.947	
2190 (4818)	7.091 7.476	



Continuous Duty

MODEL	kW/rpm	BHP (kW)		
		1,200 rpm	1,600 rpm	1,800 rpm
WAF 144	0,22	354 (264)	472 (352)	531 (396)
	0,22	354 (264)	472 (352)	531 (396)
	0,21	338 (252)	450 (336)	507 (378)
WAF 164	0,22	354 (264)	472 (352)	531 (396)
	0,21	338 (252)	450 (336)	507 (378)
WAF 244	0,29	466 (348)	622 (464)	699 (522)
	0,27	434 (324)	579 (432)	651 (486)
	0,24	386 (288)	515 (384)	579 (432)
	0,23	370 (276)	493 (368)	555 (414)
WAF 264	0,29	466 (348)	622 (464)	699 (522)
	0,27	434 (324)	579 (432)	651 (486)
	0,26	418 (312)	557 (416)	627 (468)
	0,24	386 (288)	515 (384)	579 (432)
WAF 274	0,29	466 (348)	622 (464)	699 (522)
	0,27	434 (324)	579 (432)	651 (486)
	0,25	402 (300)	536 (400)	603 (450)
WAF 344	0,36	579 (432)	772 (576)	868 (648)
	0,36	579 (432)	772 (576)	868 (648)
	0,33	531 (396)	708 (528)	796 (594)
	0,31	498 (372)	665 (496)	748 (558)
WAF 364	0,36	579 (432)	772 (576)	868 (648)
	0,36	579 (432)	772 (576)	868 (648)
	0,34	547 (408)	729 (544)	820 (612)
WAF 374	0,36	579 (432)	772 (576)	868 (648)
	0,33	531 (396)	708 (528)	796 (594)
WAF 444	0,46	740 (552)	986 (736)	1110 (828)
	0,44	708 (528)	943 (704)	1061 (792)
	0,42	675 (504)	900 (672)	1013 (756)
	0,40	643 (480)	858 (640)	965 (720)
WAF 464	0,46	740 (552)	986 (736)	1110 (828)
	0,45	724 (540)	965 (720)	1085 (810)
WAF 474	0,46	740 (552)	986 (736)	1110 (828)
	0,45	724 (540)	965 (720)	1085 (810)
	0,41	659 (492)	879 (656)	989 (738)
WAF 542	0,57	917 (684)	1222 (912)	1375 (1026)
	0,55	884 (660)	1179 (880)	1327 (990)
WAF 562	0,57	917 (684)	1222 (912)	1375 (1026)
	0,53	852 (636)	1136 (848)	1278 (954)
WAF 572	0,57	917 (684)	1222 (912)	1375 (1026)
	0,56	900 (672)	1201 (896)	1351 (1008)
	0,54	868 (648)	1158 (864)	1302 (972)

WEIGHT Kg (lbs)	RATIOS	REMARKS
460 (1012)	1.343*, 1.563*, 2.037*	* = special reduction ratios OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets. CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.
	2.539, 2.957, 3.522	
	3.952	
580 (1276)	3.964*, 4.560, 5.044, 5.619*	
	5.950	
490 (1078)	1.343*, 1.563*, 2.037*, 2.539	
	2.957	
	3.522	
690 (1518)	3.519*, 4.083, 4.500	
	5.050	
	5.476*	
990 (2178)	5.800	
	6.115*, 6.400*	
	7.043	
610 (1342)	7.409*	
	1.277*, 1.488*, 1.972*	
	2.452, 2.963	
900 (1980)	3.571	
	4.053	
	3.485*, 3.933*, 4.481	
1290 (2838)	4.920, 5.435	
	6.120*, 6.417*, 7.091	
	7.476	
820 (1804)	1.468*, 1.698*, 1.974*, 2.467*	
	2.962	
	3.522	
1030 (2266)	3.952	
	4.000, 4.577, 5.042, 5.591*	
	5.905	
1950 (4290)	6.120*, 6.417*	
	7.091	
	7.476	
1120 (2464)	2.542*, 2.960, 3.542*	
	3.955	
1490 (3278)	4.545*, 5.050, 5.421	
	5.947	
2190 (4818)	6.417*	
	7.091	
	7.474	



Continuous Duty

MODEL	kW/rpm	BHP (kW)	BHP (kW)	BHP (kW)
		1,200 rpm	1,600 rpm	1,800 rpm
WAF 644 L	0,70	1126 (840)	1501 (1120)	1688 (1260)
	0,70	1126 (840)	1501 (1120)	1688 (1260)
	0,63	1013 (756)	1351 (1008)	1520 (1134)
WAF 664 L	0,70	1126 (840)	1501 (1120)	1688 (1260)
	0,70	1126 (840)	1501 (1120)	1688 (1260)
WAF 674 L	0,70	1126 (840)	1501 (1120)	1688 (1260)
WAF 743 L	0,88	1415 (1056)	1887 (1408)	2123 (1584)
	0,88	1415 (1056)	1887 (1408)	2123 (1584)
WAF 763 L	0,88	1415 (1056)	1887 (1408)	2123 (1584)
	0,88	1415 (1056)	1887 (1408)	2123 (1584)
WAF 773 L	0,88	1415 (1056)	1887 (1408)	2123 (1584)
	0,88	1415 (1056)	1887 (1408)	2123 (1584)
WAF 843 L	1,25	2010 (1500)	2680 (2000)	3015 (2250)
	1,25	2010 (1500)	2680 (2000)	3015 (2250)
	1,15	1849 (1380)	2466 (1840)	2774 (2070)
WAF 863 L	1,25	2010 (1500)	2680 (2000)	3015 (2250)
	1,15	1849 (1380)	2466 (1840)	2774 (2070)
WAF 873 L	1,25	2010 (1500)	2680 (2000)	3015 (2250)
	1,25	2010 (1500)	2680 (2000)	3015 (2250)
	1,15	1849 (1380)	2466 (1840)	2774 (2070)
WAF 1143 L	1,48	2380 (1776)	3173 (2368)	3570 (2664)
	1,48	2380 (1776)	3173 (2368)	3570 (2664)
	1,45	2332 (1740)	3109 (2320)	3497 (2610)
WAF 1163 L	1,48	2380 (1776)	3173 (2368)	3570 (2664)
	1,48	2380 (1776)	3173 (2368)	3570 (2664)
	1,27	2042 (1524)	2723 (2032)	3063 (2286)
WAF 1173 L	1,48	2380 (1776)	3173 (2368)	3570 (2664)
	1,27	2042 (1524)	2723 (2032)	3063 (2286)
		1,200 rpm	1,300 rpm	1,600 rpm
WAF 1543 L	1,85	2975 (2220)	3223 (2405)	3966 (2960)
	1,85	2975 (2220)	3223 (2405)	3966 (2960)
	1,85	2975 (2220)	3223 (2405)	3966 (2960)
WAF 1563 L	1,85	2975 (2220)	3223 (2405)	-
	1,73	2775 (2071)	3007 (2244)	-
	1,70	2734 (2040)	2961 (2210)	-
WAF 1943 L	2,00	3216 (2400)	-	-
	2,00	3216 (2400)	-	-
WAF 1963 L	2,00	3216 (2400)	-	-
	2,00	3216 (2400)	-	-

WEIGHT Kg (lbs)	RATIOS	REMARKS
1300 (2860)	2.483*, 3.040*, 3.542*	* = special reduction ratios OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets. CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.
	3.958	
	4.409*	
1800 (3960)	4.560*, 5.044, 5.571	
	5.950	
1800 (3960)	6.417*, 7.091, 7.476*	
1800 (3960)	2.467*, 3.039, 3.550	
	3.952	
2300 (5060)	4.625, 5.136, 5.429*	
	5.750	
2300 (5060)	6.153*, 6.440*, 7.087	
	7.455	
2300 (5060)	2.091*, 2.517*, 3.080	
	3.500	
	3.905	
3050 (6710)	4.038, 4.458*, 4.955	
	5.500*, 5.842	
3100 (6820)	6.153*, 6.440*	
	7.087	
	7.455	
2750 (6050)	1.966*, 2.429*, 3.037	
	3.500*	
	3.909	
3600 (7920)	4.500*, 4.958	
	5,500*	
	5.810*	
4750 (10450)	6.080, 6.696*, 7.045, 6.375	
	7.429	
3400 (7480)	2.032*, 2.467*, 3.039	
	3.407*	
	3.857	
4460 (9812)	4.429*, 4.846	
	5.444*	
	5.955	
4660 (10252)	2.059*, 2.467*, 2.962	
	3.522*, 3.952	
5540 (12188)	4.467*, 5.074, 5.560*	
	5.952	



Continuous Duty

MODEL	kW/rpm	BHP (kW)		
		1,200 rpm	1,600 rpm	1,800 rpm
WAF 644	0,77	1238 (924)	1651 (1232)	1857 (1386)
	0,77	1238 (924)	1651 (1232)	1857 (1386)
	0,69	1110 (828)	1479 (1104)	1664 (1242)
WAF 664	0,77	1238 (924)	1651 (1232)	1857 (1386)
	0,76	1217 (908)	1623 (1211)	1826 (1363)
	0,72	1151 (859)	1535 (1146)	1727 (1289)
WAF 674	0,77	1238 (924)	1651 (1232)	1857 (1386)
	0,75	1200 (895)	1599 (1194)	1799 (1343)
WAF 743	1,00	1608 (1200)	2144 (1600)	2412 (1800)
	0,97	1560 (1164)	2080 (1552)	2340 (1746)
WAF 763	0,98	1576 (1176)	2101 (1568)	2364 (1764)
	0,98	1576 (1176)	2101 (1568)	2364 (1764)
WAF 773	0,98	1576 (1176)	2101 (1568)	2364 (1764)
	0,98	1576 (1176)	2101 (1568)	2364 (1764)
WAF 843	1,45	2332 (1740)	3109 (2320)	3497 (2610)
	1,45	2332 (1740)	3109 (2320)	3497 (2610)
	1,38	2219 (1656)	2959 (2208)	3329 (2484)
WAF 863	1,38	2219 (1656)	2959 (2208)	3329 (2484)
	1,38	2219 (1656)	2959 (2208)	3329 (2484)
WAF 873	1,38	2219 (1656)	2959 (2208)	3329 (2484)
	1,38	2219 (1656)	2959 (2208)	3329 (2484)
	1,37	2203 (1644)	2937 (2192)	3304 (2466)
WAF 1143	1,70	2734 (2040)	3645 (2720)	4100 (3060)
	1,60	2573 (1920)	3430 (2560)	3859 (2880)
	1,48	2380 (1776)	3173 (2368)	3570 (2664)
WAF 1163	1,63	2621 (1956)	3495 (2608)	3932 (2934)
	1,63	2621 (1956)	3495 (2608)	3932 (2934)
	1,53	2460 (1836)	3280 (2448)	3690 (2754)
	1,45	2332 (1740)	3109 (2320)	3497 (2610)
WAF 1173	1,63	2621 (1956)	3495 (2608)	3932 (2934)
	1,63	2621 (1956)	3495 (2608)	3932 (2934)
	1,50	2412 (1800)	3216 (2400)	3618 (2700)
	1,50	2412 (1800)	3216 (2400)	3618 (2700)
		1,200 rpm	1,300 rpm	1,600 rpm
WAF 1543	2,10	3377 (2520)	3658 (2730)	4502 (3360)
	1,90	3055 (2280)	3310 (2470)	4074 (3040)
	1,90	3055 (2280)	3310 (2470)	4074 (3040)
WAF 1563	2,04	3280 (2448)	3554 (2652)	-
	1,80	2894 (2160)	3136 (2340)	-
	1,80	2894 (2160)	3136 (2340)	-
WAF 1943	2,30	3698 (2760)	-	-
	2,30	3698 (2760)	-	-
	2,20	3538 (2640)	-	-
WAF 1963	2,20	3538 (2640)	-	-
	2,20	3538 (2640)	-	-

WEIGHT Kg (lbs)	RATIOS	REMARKS
1300 (2860)	2.483*, 3.040*, 3.542*	* = special reduction ratios OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets. CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.
	3.958	
	4.409*	
1800 (3960)	4.560*, 5.044	
	5.571	
	5.950	
2050 (4510)	6.417*, 7.091	
1800 (3960)	7.476*	
1800 (3960)	2.467*, 3.039, 3.550	
	3.952	
2300 (5060)	4.625, 5.136, 5.429*	
	5.750	
3100 (6820)	6.153*, 6.440*, 7.087	
	7.455	
2300 (5060)	2.091*, 2.517*, 3.080	
	3.500	
	3.905	
3050 (6710)	4.038*, 4.458*, 4.955	
	5.500*, 5.842	
4200 (9240)	6.153*, 6.440*	
	7.087	
	7.455	
2750 (6050)	1.966*, 2.429*, 3.037	
	3.500*	
	3.909	
3600 (7920)	4.500*	
	4.958	
	5.500*	
	5.810*	
4750 (10450)	6.080	
	6.696*, 6.375	
	7.045	
	7.429	
3400 (7480)	2.032*, 2.467*, 3.039	
	3.407*	
	3.857	
4460 (9812)	4.429*, 4.846	
	5.444*	
	5.955	
4660 (10252)	2.059*	
	2.467*, 2.962	
	3.522*, 3.952	
5540 (12188)	4.467*	
	5.074, 5.560*, 5.952	



Continuous Duty

MODEL	kW/rpm	BHP (kW)	BHP (kW)	BHP (kW)
		1,200 rpm	1,600 rpm	1,800 rpm
LAF 644 L	0,70	1126 (840)	1501 (1120)	1688 (1260)
	0,70	1126 (840)	1501 (1120)	1688 (1260)
	0,63	1013 (756)	1351 (1008)	1520 (1134)
LAF 664 L	0,70	1126 (840)	1501 (1120)	1688 (1260)
	0,70	1126 (840)	1501 (1120)	1688 (1260)
LAF 674 L	0,70	1126 (840)	1501 (1120)	1688 (1260)
LAF 743 L	1,00	1608 (1200)	2144 (1600)	2412 (1800)
	0,88	1415 (1056)	1887 (1408)	2123 (1584)
LAF 763 L	1,00	1608 (1200)	2144 (1600)	2412 (1800)
	0,88	1415 (1056)	1887 (1408)	2123 (1584)
LAF 773 L	1,00	1608 (1200)	2144 (1600)	2412 (1800)
	0,88	1415 (1056)	1887 (1408)	2123 (1584)
LAF 843 L	1,45	2332 (1740)	3109 (2320)	3497 (2610)
	1,30	2090 (1560)	2787 (2080)	3136 (2340)
	1,15	1849 (1380)	2466 (1840)	2774 (2070)
LAF 863 L	1,40	2251 (1680)	3002 (2240)	3377 (2520)
	1,25	2010 (1500)	2680 (2000)	3015 (2250)
	1,15	1849 (1380)	2466 (1840)	2774 (2070)
LAF 873 L	1,45	2332 (1740)	3109 (2320)	3497 (2610)
	1,30	2090 (1560)	2787 (2080)	3136 (2340)
	1,15	1849 (1380)	2466 (1840)	2774 (2070)
LAF 1143 L	1,70	2734 (2040)	3645 (2720)	4100 (3060)
	1,60	2573 (1920)	3430 (2560)	3859 (2880)
	1,45	2332 (1740)	3109 (2320)	3497 (2610)
LAF 1163 L	1,70	2734 (2040)	3645 (2720)	4100 (3060)
	1,48	2380 (1776)	3173 (2368)	3570 (2664)
	1,27	2042 (1524)	2723 (2032)	3063 (2286)
LAF 1173 L	1,70	2734 (2040)	3645 (2720)	4100 (3060)
	1,63	2734 (2040)	3645 (2720)	4100 (3060)
	1,48	2380 (1776)	3173 (2368)	3570 (2664)
	1,27	2042 (1524)	2723 (2032)	3063 (2286)
		1,200 rpm	1,500 rpm	1,600 rpm
LAF 1543 L	2,10	3377 (2520)	4221 (3150)	4502 (3360)
	1,90	3055 (2280)	3819 (2850)	4074 (3040)
	1,85	2975 (2220)	3719 (2775)	3966 (2960)
LAF 1563 L	1,75	2814 (2100)	3518 (2625)	-
	1,73	2775 (2071)	3469 (2589)	-
	1,70	2734 (2040)	3417 (2550)	-
LAF 1943 L	2,45	3940 (2940)	4925 (3675)	-
	2,20	3698 (2760)	4623 (3450)	-
LAF 1963 L	2,45	3940 (2940)	4925 (3675)	-
	2,20	3538 (2640)	4422 (3300)	-
	2,00	3216 (2400)	4020 (3000)	-

WEIGHT Kg (lbs)	RATIOS	REMARKS
1300 (2860)	2.483*, 3.040*, 3.542*	<p>* = special reduction ratios</p> <p>OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets.</p> <p>CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.</p>
	3.958	
	4.409*	
1800 (3960)	4.560*, 5.044, 5.571	
	5.950	
1800 (3960)	6.417*, 7.091, 7.476*	
1800 (3960)	2.467*, 3.039, 3.550	
	3.952	
2300 (5060)	4.192*, 4.625, 5.136	
	5.429*, 5.750, 5.913	
3100 (6820)	6.153*, 6.440*, 7.087	
	7.455	
2300 (5060)	2.091*, 2.517*, 3.080	
	3.500	
	3.905, 4.318	
3050 (6710)	4.038, 4.458*	
	4.955	
	5.500*, 5.842	
4200 (9240)	6.153*, 6.440*	
	7.087	
	7.455, 7.526	
2750 (6050)	1.966*, 2.429*, 3.037	
	3.500*	
	3.909	
3600 (7920)	4.500*, 4.958	
	5,500*	
	5.810*	
4400 (9680)	6.080, 6.375	
	6.696*	
	7.045	
	7.429	
3400 (7480)	2.032*, 2.467*, 3.039	
	3.407*	
	3.857	
4460 (9812)	4.429*, 4.846	
	5.444*	
	5.955	
4660 (10252)	2.059*, 2.467*, 2.962	
	3.522*, 3.952	
5540 (12188)	4.467*	
	5.047	
	5.560*, 5.952	



Continuous Duty

MODEL	kW/rpm	BHP (kW)		
		1,200 rpm	1,600 rpm	1,800 rpm
LAF 644	0,77	1238 (924)	1651 (1232)	1857 (1386)
	0,77	1238 (924)	1651 (1232)	1857 (1386)
	0,69	1110 (828)	1479 (1104)	1664 (1242)
LAF 664	0,77	1238 (924)	1651 (1232)	1857 (1386)
	0,76	1217 (908)	1623 (1211)	1826 (1363)
	0,72	1151 (859)	1535 (1146)	1727 (1289)
LAF 674	0,77	1238 (924)	1651 (1232)	1857 (1386)
	0,75	1200 (895)	1599 (1194)	1799 (1343)
LAF 743	1,00	1608 (1200)	2144 (1600)	2412 (1800)
	0,97	1560 (1164)	2080 (1552)	2340 (1746)
LAF 763	1,00	1608 (1200)	2144 (1600)	2412 (1800)
	1,00	1608 (1200)	2144 (1600)	2412 (1800)
LAF 773	1,00	1608 (1200)	2144 (1600)	2412 (1800)
	1,00	1608 (1200)	2144 (1600)	2412 (1800)
LAF 843	1,45	2332 (1740)	3109 (2320)	3497 (2610)
	1,45	2332 (1740)	3109 (2320)	3497 (2610)
	1,38	2219 (1656)	2959 (2208)	3329 (2484)
LAF 863	1,45	2332 (1740)	3109 (2320)	3497 (2610)
	1,38	2219 (1656)	2959 (2208)	3329 (2484)
	1,38	2219 (1656)	2959 (2208)	3329 (2484)
LAF 873	1,45	2332 (1740)	3109 (2320)	3497 (2610)
	1,45	2332 (1740)	3109 (2320)	3497 (2610)
	1,37	2203 (1644)	2937 (2192)	3304 (2466)
LAF 1143	1,70	2734 (2040)	3645 (2720)	4100 (3060)
	1,60	2573 (1920)	3430 (2560)	3859 (2880)
	1,48	2380 (1776)	3173 (2368)	3570 (2664)
LAF 1163	1,70	2734 (2040)	3645 (2720)	4100 (3060)
	1,53	2460 (1836)	3280 (2448)	3690 (2754)
	1,45	2332 (1740)	3109 (2320)	3497 (2610)
LAF 1173	1,70	2734 (2040)	3645 (2720)	4100 (3060)
	1,63	2621 (1956)	3495 (2608)	3932 (2934)
	1,50	2412 (1800)	3216 (2400)	3618 (2700)
	1,50	2412 (1800)	3216 (2400)	3618 (2700)
		1,200 rpm	1,500 rpm	1,600 rpm
LAF 1543	2,10	3377 (2520)	4221 (3150)	4502 (3360)
	1,90	3055 (2280)	3819 (2850)	4074 (3040)
	1,90	3055 (2280)	3819 (2850)	4074 (3040)
LAF 1563	2,04	3280 (2448)	4100 (3060)	-
	1,80	2894 (2160)	3618 (2700)	-
	1,80	2894 (2160)	3618 (2700)	-
LAF 1943	2,45	3940 (2940)	4925 (3675)	-
	2,20	3538 (2640)	4422 (3300)	-
LAF 1963	2,45	3940 (2940)	4925 (3675)	-
	2,20	3538 (2640)	4422 (3300)	-
	2,20	3538 (2640)	4422 (3300)	-

WEIGHT Kg (lbs)	RATIOS	REMARKS
1300 (2860)	2.483*, 3.040*, 3.542*	* = special reduction ratios OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets. CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.
	3.958	
	4.409*	
1800 (3960)	4.560*, 5.044	
	5.571	
	5.950	
1800 (3960)	6.417*, 7.091	
	7.476*	
1800 (3960)	2.467*, 3.039, 3.550	
	3.952	
2300 (5060)	4.192*, 4.625, 5.136	
	5.429*, 5.750	
2300 (5060)	6.153*, 6.440*, 7.087	
	7.455	
2300 (5060)	2.091*, 2.517*, 3.080	
	3.500	
	3.905	
3050 (6710)	4.038*, 4.458*, 4.955	
	5.500*	
	5.842	
3100 (6820)	6.153*, 6.440*	
	7.087	
	7.455	
2750 (6050)	1.966*, 2.429*, 3.037	
	3.500*	
	3.909	
3600 (7920)	4.500*, 4.958	
	5.500*	
	5.810*	
4400 (9680)	6080, 6.375	
	6.696*	
	7.045	
	7.429	
3400 (7480)	2.032*, 2.467*, 3.039	
	3.407*	
	3.857	
4460 (9812)	4.429*, 4.846	
	5.444*	
	5.955	
4660 (10252)	2.059*, 2.467*, 2.962	
	3.522*, 3.952	
5540 (12188)	4.467*	
	5.074	
	5.560*, 5.952	



Continuous Duty

MODEL	kW/rpm	BHP (kW)		
		750 rpm	1,000 rpm	1,100 rpm
WAF 2346	2,45	2462 (1838)	3283 (2450)	3611 (2695)
	2,45	2462 (1838)	3283 (2450)	3611 (2695)
WAF 2355	2,45	2462 (1838)	3283 (2450)	3611 (2695)
	2,45	2462 (1838)	3283 (2450)	3611 (2695)
	2,45	2462 (1838)	3283 (2450)	3611 (2695)
WAF 2365	2,45	2462 (1838)	3283 (2450)	3611 (2695)
	2,45	2462 (1838)	3283 (2450)	3611 (2695)
	2,45	2462 (1838)	3283 (2450)	3611 (2695)
WAF 2375	2,45	2462 (1838)	3283 (2450)	3611 (2695)
	2,45	2462 (1838)	3283 (2450)	3611 (2695)
WAF 3445	3,25	3266 (2438)	4355 (3250)	4791 (3575)
	3,25	3266 (2438)	4355 (3250)	4791 (3575)
WAF 3455	3,25	3266 (2438)	4355 (3250)	-
	3,13	3149 (2350)	4198 (3133)	-
WAF 3465	3,25	3266 (2438)	4355 (3250)	-
	3,24	3255 (2429)	4340 (3239)	-
	2,94	2955 (2205)	3940 (2940)	-
WAF 3475	3,25	3266 (2438)	4355 (3250)	-
WAF 4545	3,80	3819 (2850)	5092 (3800)	-
	3,80	3819 (2850)	5092 (3800)	-
WAF 4555	3,80	3819 (2850)	5092 (3800)	-
	3,80	3819 (2850)	5092 (3800)	-
WAF 4566	3,80	3819 (2850)	5092 (3800)	-
	3,80	3819 (2850)	5092 (3800)	-
WAF 4575	3,80	3819 (2850)	5092 (3800)	-
	3,80	3819 (2850)	5092 (3800)	-
	3,80	3819 (2850)	5092 (3800)	-

WEIGHT Kg (lbs)	RATIOS	REMARKS
5750 (12650)	2.076, 2.529, 3.033 3.444, 4.041, 4.454	* = special reduction ratios
6900 (15180)	3.923, 4.461, 4.916 5.454 5.762	OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets.
8000 (17600)	5.560 6.130 6.455	
9300 (20460)	6.440, 7.087 7.455	CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.
7100 (15620)	2.053, 2.515, 3.038 3.462, 4.043, 4.524	
8500 (18700)	4.480, 4.957, 5.524 5.955	
10000 (22000)	5.583, 5.870 6.524 6.955	
11500 (25300)	6.458, 7.136, 7.524	
8900 (19580)	1.923, 2.455, 2.931 3.423, 3.952, 4.429	
10000 (22000)	4.583, 5.091, 5.429 5.773	
12100 (26620)	5.500, 6.091, 6.429 6.818	
14100 (31020)	6.739 7.091 7.476	



Continuous Duty

MODEL	kW/rpm	BHP (kW)	BHP (kW)	BHP (kW)
		750 rpm	900 rpm	
WAF 5645	5,00	5025 (3750)	6030 (4500)	-
	5,00	5025 (3750)	6030 (4500)	-
	5,00	5025 (3750)	6030 (4500)	-
WAF 5655	5,00	5025 (3750)	6030 (4500)	-
	4,83	4852 (3621)	5823 (4345)	-
WAF 5666	5,00	5025 (3750)	6030 (4500)	-
	4,80	4824 (3600)	5789 (4320)	-
WAF 5675	5,00	5025 (3750)	6030 (4500)	-
	5,00	5025 (3750)	6030 (4500)	-
WAF 6745	6,00	6030 (4500)	7236 (5400)	-
	6,00	6030 (4500)	7236 (5400)	-
	5,98	6005 (4481)	7206 (5378)	-
WAF 6755	6,00	6030 (4500)	7236 (5400)	-
	5,91	5939 (4432)	7126 (5318)	-
WAF 6766	6,00	6030 (4500)	7236 (5400)	-
	5,95	5979 (4462)	7174 (5354)	-
WAF 7740	7,87	7909 (5903)	-	-
	7,87	7909 (5903)	-	-
WAF 7750	7,87	7909 (5903)	-	-
	7,87	7904 (5899)	-	-
WAF 7760	7,87	7909 (5903)	-	-
	7,87	7909 (5903)	-	-
	7,87	7909 (5903)	-	-
	7,87	7909 (5903)	-	-

WEIGHT Kg (lbs)	RATIOS	REMARKS
11600 (25520)	1.973, 2.488, 2.964 3.440, 4.045 4.550	<p>* = special reduction ratios</p> <p>OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets.</p> <p>CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.</p>
13200 (29040)	4.458, 4.955, 5.550 5.810	
14800 (32560)	5.565, 5.864, 6.550 6.857	
16500 (36300)	6.125, 6.435, 7.143 7.550	
13700 (30140)	2.028, 2.516, 3.037 3.542, 3.955 4.450	
16100 (35420)	4.458, 4.955, 5.550 5.762	
18000 (39600)	4.960, 5.478, 6.095 6.450	
17000 (37400)	2.967, 3.583, 3.958 4.409	
18000 (39600)	4.167, 4.636, 4.905 5.304	
on request	5.136 5.429	
	5.905 6.476	



Continuous Duty

MODEL	kW/rpm	BHP (kW)		
		750 rpm	1,000 rpm	1,100 rpm
LAF 2346	3,40	3417 (2550)	4556 (3400)	5012 (3740)
	3,25	3263 (2435)	4351 (3247)	4786 (3572)
	3,00	3018 (2252)	4024 (3003)	4426 (3303)
	2,80	2810 (2097)	3747 (2796)	4121 (3076)
LAF 2355	3,40	3417 (2550)	4556 (3400)	5012 (3740)
	3,26	3279 (2447)	4372 (3263)	4810 (3589)
	3,06	3071 (2292)	4095 (3056)	4505 (3362)
	2,80	2815 (2101)	3753 (2801)	4129 (3081)
	2,67	2684 (2003)	3579 (2671)	3937 (2938)
LAF 2365	3,28	3291 (2456)	4389 (3275)	4827 (3603)
	2,99	3004 (2242)	4005 (2989)	4406 (3288)
	2,71	2725 (2033)	3633 (2711)	3996 (2982)
	2,57	2587 (1931)	3449 (2574)	3794 (2831)
LAF 2375	3,18	3194 (2384)	4259 (3178)	4685 (3496)
	3,04	3052 (2278)	4070 (3037)	4477 (3341)
	2,76	2774 (2070)	3698 (2760)	4068 (3036)
	2,62	2637 (1968)	3515 (2623)	3867 (2886)
LAF 3445	4,35	4372 (3263)	5829 (4350)	-
	4,15	4170 (3112)	5560 (4149)	-
	3,90	3924 (2928)	5232 (3904)	-
	3,62	3637 (2714)	4850 (3619)	-
	3,42	3435 (2563)	4579 (3417)	-
LAF 3455	4,35	4372 (3263)	5829 (4350)	-
	3,96	3980 (2970)	5306 (3960)	-
	4,06	4083 (3047)	5444 (4063)	-
	3,68	3702 (2763)	4937 (3684)	-
	3,13	3149 (2350)	4198 (3133)	-
LAF 3465	4,16	4183 (3122)	5577 (4162)	-
	3,79	3804 (2839)	5072 (3785)	-
	3,60	3618 (2700)	4824 (3600)	-
	3,24	3255 (2429)	4340 (3239)	-
	2,94	2955 (2205)	3940 (2940)	-
LAF 3475	3,99	4009 (2992)	5345 (3989)	-
	3,81	3824 (2854)	5099 (3805)	-
	3,44	3460 (2582)	4614 (3443)	-
	3,27	3282 (2450)	4376 (3266)	-
LAF 4545	5,50	5528 (4125)	7370 (5500)	-
	4,93	4956 (3698)	6608 (4931)	-
	4,40	4426 (3303)	5902 (4404)	-
	4,02	4037 (3013)	5383 (4017)	-
LAF 4555	5,22	5247 (3915)	6995 (5220)	-
	4,64	4661 (3478)	6215 (4638)	-
	4,25	4272 (3188)	5697 (4251)	-
	4,03	4048 (3021)	5397 (4028)	-
	3,82	3842 (2867)	5123 (3823)	-

WEIGHT Kg (lbs)	RATIOS	REMARKS
4900 (10780)	2.076, 2.529, 3.033	* = special reduction ratios OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets. CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.
	3.444	
	4.041	
	4.454	
5900 (12980)	3.923	
	4.461	
	4.916	
	5.454	
	5.762	
7200 (15840)	5.074	
	5.560	
	6.130	
	6.455	
8800 (19360)	6.154	
	6.440	
	7.087	
	7.455	
6400 (14080)	2.053, 2.515	
	3.038	
	3.462	
	4.043	
	4.524	
7800 (17160)	4.047	
	4.480	
	4.957	
	5.524	
	5.955	
9700 (21340)	5.077	
	5.583	
	5.870	
	6.524	
	6.955	
10800 (23760)	6.160	
	6.458	
	7.136	
	7.524	
8600 (18920)	1.923, 2.455, 2.931	
	3.423	
	3.952	
	4.429	
9500 (20900)	3.960	
	4.583	
	5.091	
	5.429	
	5.773	



Continuous Duty

MODEL	kW/rpm	BHP (kW)	BHP (kW)	BHP (kW)
		750 rpm	1,000 rpm	1,100 rpm
LAF 4566	5,02	5042 (3763)	6723 (5017)	-
	4,60	4622 (3449)	6162 (4599)	-
	4,22	4236 (3161)	5648 (4215)	-
	4,02	4044 (3018)	5391 (4023)	-
	3,82	3842 (2867)	5123 (3823)	-
LAF 4575	4,74	4768 (3558)	6357 (4744)	-
	4,35	4373 (3264)	5831 (4352)	-
	4,14	4156 (3102)	5542 (4136)	-
	3,92	3942 (2942)	5256 (3923)	-
		750 rpm	900 rpm	
LAF 5645	7,00	7035 (5250)	8442 (6300)	-
	6,77	6800 (5075)	8160 (6090)	-
	6,32	6349 (4738)	7618 (5685)	-
	5,60	5632 (4203)	6758 (5043)	-
	5,09	5119 (3820)	6143 (4585)	-
LAF 5655	6,57	6600 (4925)	7920 (5910)	-
	6,07	6097 (4550)	7317 (5460)	-
	5,56	5588 (4170)	6706 (5004)	-
	5,06	5081 (3792)	6097 (4550)	-
	4,83	4852 (3621)	5822 (4345)	-
LAF 5666	6,36	6395 (4772)	7674 (5727)	-
	5,86	5887 (4393)	7065 (5272)	-
	5,60	5631 (4202)	6757 (5042)	-
	5,09	5119 (3820)	6143 (4584)	-
	4,80	4824 (3600)	5788 (4320)	-
LAF 5675	6,10	6126 (4571)	7351 (5486)	-
	5,84	5870 (4381)	7044 (5257)	-
	5,33	5360 (4000)	6432 (4800)	-
	5,08	5105 (3809)	6126 (4571)	-
LAF 6745	8,40	8442 (6300)	10130 (7560)	-
	8,07	8106 (6050)	9728 (7259)	-
	7,17	7205 (5377)	8646 (6452)	-
	6,57	6605 (4929)	7926 (5915)	-
	5,97	6004 (4481)	7205 (5377)	-
LAF 6755	7,93	7969 (5947)	9563 (7137)	-
	7,32	7357 (5491)	8829 (6589)	-
	6,71	6743 (5032)	8092 (6039)	-
	6,10	6131 (4575)	7357 (5490)	-
	5,91	5939 (4432)	7126 (5318)	-
LAF 6766	7,44	7473 (5577)	8967 (6692)	-
	6,84	6875 (5131)	8250 (6157)	-
	6,25	6277 (4685)	7533 (5621)	-
	5,95	5978 (4461)	7174 (5354)	-
LAF 7740	11,00	11055 (8250)	-	-
	10,10	10156 (7579)	-	-
	9,34	9387 (7006)	-	-
	8,56	8605 (6422)	-	-
LAF 7750	10,07	10116 (7549)	-	-
	9,23	9273 (6920)	-	-
	8,81	8851 (6606)	-	-
	7,86	7904 (5899)	-	-
LAF 7760	9,86	9913 (7397)	-	-
	9,41	9462 (7061)	-	-
	8,77	8809 (6574)	-	-
	7,94	7976 (5953)	-	-

WEIGHT Kg (lbs)	RATIOS	REMARKS
11100 (24420)	4.958	* = special reduction ratios OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets. CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.
	5.500	
	6.091	
	6.429	
	6.818	
13100 (28820)	6.120	
	6.739	
	7.091	
	7.476	
11000 (24200)	1.973, 2.488	
	2.964	
	3.440	
	4.045	
	4.550	
12200 (26840)	4.042	
	4.458	
	4.955	
	5.550	
	5.810	
13800 (30360)	5.044	
	5.565	
	5.864	
	6.550	
	6.857	
14800 (32560)	6.125	
	6.435	
	7.143	
	7.550	
13200 (29040)	2.028, 2.516	
	3.037	
	3.542	
	3.955	
	4.450	
16000 (35200)	4.039	
	4.458	
	4.955	
	5.550	
	5.762	
17000 (37400)	4.960	
	5.478	
	6.095	
	6.450	
16000 (35200)	2.967	
	3.583	
	3.958	
	4.409	
17000 (37400)	4.167	
	4.636	
	4.905	
	5.304	
on request	5.136	
	5.429	
	5.905	
	6.476	



Continuous Duty

MODEL	kW/rpm	BHP (kW)	BHP (kW)	BHP (kW)
		1,000 rpm	1,200 rpm	1,950 rpm
VLJ 1130	1,85	2479 (1850)	2975 (2220)	4834 (3608)
	1,85	2479 (1850)	2975 (2220)	4834 (3608)
	1,85	2479 (1850)	2975 (2220)	4834 (3608)
	1,78	2385 (1780)	2862 (2136)	4651 (3471)
VLJ 2230	2,45	3283 (2450)	3940 (2940)	6402 (4778)
	2,45	3283 (2450)	3940 (2940)	6402 (4778)
	2,45	3283 (2450)	3940 (2940)	6402 (4778)
	2,30	3082 (2300)	3698 (2760)	6010 (4485)
VLJ 4431	6,20	8308 (6200)	9970 (7440)	-
	5,60	7504 (5600)	9005 (6720)	-
	4,85	6499 (4850)	7799 (5820)	-
VLJ 6831	7,20	9648 (7200)	11578 (8640)	-
	6,10	8174 (6100)	9809 (7320)	-
	5,00	6700 (5000)	8040 (6000)	-
VLJ 7531	8,40	11256 (8400)	13507 (10080)	-
	8,40	11256 (8400)	13507 (10080)	-
	7,20	9648 (7200)	11578 (8640)	-
VLJ 7541	9,00	12060 (9000)	14472 (10800)	-
	9,00	12060 (9000)	14472 (10800)	-
	9,00	12060 (9000)	14472 (10800)	-
		1,050 rpm	1,150 rpm	
VLJ 8531	10,00	14070 (10500)	15410 (11500)	-
	10,00	14070 (10500)	15410 (11500)	-
	10,00	14070 (10500)	15410 (11500)	-

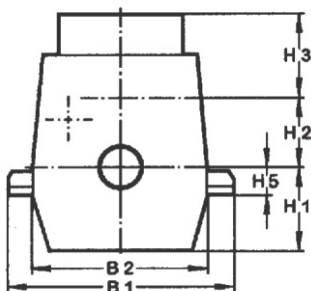
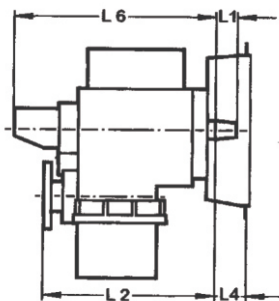
WEIGHT Kg (lbs)	RATIOS	REMARKS
1300 (2860)	1.512	* = special reduction ratios OPTIONS Please find information regarding options, trolling valves, PTO etc. on separate product sheets. CLASSIFICATION Classification: in most cases the ratings are accepted by major classification societies. Classified ratings on request.
	2.029	
	2.433	
	2.962	
1600 (3520)	1.513	
	2.094	
	2.414	
3500 (7700)	1,500	
	2,000	
	2,500	
3600 (7920)	1,500	
	2,000	
	2,500	
4300 (9460)	1,500	
	2,000	
	2,500	
4500 (9900)	1,500	
	2,000	
	2,500	
5400 (11880)	1,500	
	2,000	
	2,500	

Dimensional data

Dimensions and weights exclude increases caused by various accessories and options.
Use certified drawings for installation.

VLJ types also in horizontally offset configuration available

* identical dimensions for L-types



MODEL	B 1
WVS 234/1	880 (34.65)
WVS 334	960 (37.80)
WVS 430/1	956 (37.64)
WVS 730/1*	1036 (40.79)
WVS 930/1*	1166 (45.91)
WVS 1130*	1350 (53.15)
WVS 2230	1500 (59.06)
WVS 2240	1500 (59.06)
VLJ 430	960 (37.80)
VLJ 730/1	910 (35.83)
VLJ 930/1	1000 (39.37)
VLJ 1130	1170 (46.06)
VLJ 2230	1240 (48.82)
VLJ 4431	1350 (53.15)
VLJ 6831	1400 (55.12)
VLJ 7531	1450 (57.09)
VLJ 8531	1540 (60.63)
WAF 144*	910 (35.83)
WAF 164*	930 (36.61)
WAF 244*	910 (35.83)
WAF 264*	940 (37.01)
WAF 274*	1100 (43.31)
WAF 344*	990 (38.98)
WAF 364*	1010 (39.76)
WAF 374*	1190 (46.85)
WAF 444*	1030 (40.55)
WAF 464*	1060 (41.73)
WAF 474*	1310 (51.57)
WAF 542*	1140 (44.88)
WAF 562*	1240 (48.82)
WAF 572*	1360 (53.54)
WAF 644	1090 (42.91)
WAF 664	1160 (45.67)
WAF 674	1480 (28.27)
WAF 743	1160 (45.67)
WAF 763	1300 (51.18)
WAF 773	1670 (65.75)
WAF 843	1300 (51.18)
WAF 863	1400 (55.12)
WAF 873	1650 (64.96)

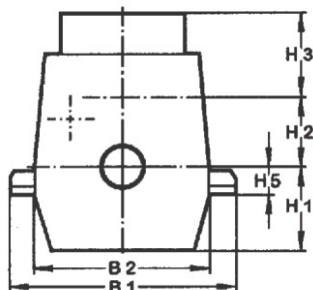
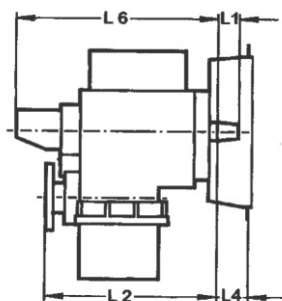
Main dimensions mm (inch)					
B 2	H 1	H 2	H 3	H 5	L 1
640 (25.20)	200 (7.87)	200 (7.87)	420 (16.54)	80 (3.15)	72 (2.83)
720 (28.35)	240 (9.45)	215 (8.46)	420 (16.54)	95 (3.74)	83 (3.27)
730 (28.35)	260 (10.24)	235 (9.25)	390 (15.35)	-	100 (3.94)
850 (33.46)	323 (12.72)	310 (12.20)	540 (21.26)	30 (1.18)	110 (4.33)
930 (36.61)	348 (13.70)	340 (13.39)	560 (22.05)	45 (1.77)	120 (4.72)
850 (33.46)	435 (17.13)	425 (16.73)	550 (21.65)	15 (0.59)	157 (6.18)
700 (27.56)	500 (19.60)	460 (18.11)	550 (21.65)	15 (0.59)	162 (6.38)
700 (27.56)	500 (19.60)	460 (18.11)	550 (21.65)	15 (0.59)	162 (6.38)
540 (21.26)	270 (10.63)	235 (9.25)	185 (7.28)	-	97 (3.82)
640 (25.20)	325 (12.80)	310 (12.20)	480 (18.90)	23 (0.91)	110 (4.33)
720 (28.35)	350 (13.78)	340 (13.39)	500 (19.69)	25 (0.98)	120 (4.72)
850 (33.46)	425 (16.73)	425 (16.73)	570 (22.44)	28 (1.10)	154 (6.06)
920 (36.22)	460 (18.11)	460 (18.11)	600 (23.62)	28 (1.10)	162 (6.38)
770 (30.31)	620 (24.41)	560 (22.05)	770 (30.31)	180 (7.09)	237 (9.33)
800 (31.50)	650 (25.60)	600 (23.62)	800 (31.50)	180 (7.09)	237 (9.33)
830 (32.68)	670 (26.38)	630 (24.80)	820 (32.28)	180 (7.09)	251 (9.88)
900 (35.43)	700 (27.56)	665 (26.18)	870 (34.25)	200 (7.87)	263 (10.35)
640 (25.20)	240 (9.45)	215 (8.46)	420 (16.54)	20 (0.79)	69 (2.72)
660 (25.98)	315 (12.40)	290 (11.42)	420 (16.54)	60 (2.36)	69 (2.72)
640 (25.20)	240 (9.45)	215 (8.46)	420 (16.54)	20 (0.79)	69 (2.72)
670 (26.38)	345 (13.58)	315 (12.40)	420 (16.54)	62 (2.44)	69 (2.72)
830 (32.68)	420 (16.54)	380 (14.96)	420 (16.54)	60 (2.36)	69 (2.72)
720 (28.35)	265 (10.43)	250 (9.84)	500 (19.69)	20 (0.79)	80 (3.15)
750 (29.53)	380 (14.96)	345 (13.58)	500 (19.69)	3 (0.12)	80 (3.15)
930 (36.61)	460 (18.11)	410 (16.14)	500 (19.69)	40 (1.58)	80 (3.15)
740 (29.13)	285 (11.22)	270 (10.63)	500 (19.69)	37 (1.46)	97 (3.82)
800 (31.50)	400 (15.75)	375 (14.76)	500 (19.69)	-	97 (3.82)
1040 (40.94)	510 (20.08)	460 (18.11)	420 (16.54)	140 (5.51)	97 (3.82)
840 (33.07)	380 (14.65)	310 (12.20)	520 (20.47)	140 (5.51)	97 (3.82)
920 (36.22)	475 (18.70)	410 (16.14)	520 (20.47)	140 (5.51)	97 (3.82)
1080 (42.52)	575 (22.64)	505 (19.88)	520 (20.47)	140 (5.51)	97 (3.82)
820 (32.28)	410 (16.14)	340 (13.39)	550 (21.65)	130 (5.12)	101 (3.98)
870 (34.25)	490 (19.29)	430 (16.93)	550 (21.65)	130 (5.12)	101 (3.98)
870 (34.25)	620 (24.41)	550 (21.65)	550 (21.65)	130 (5.12)	101 (3.98)
870 (34.25)	490 (19.29)	380 (14.96)	550 (21.65)	130 (5.12)	107 (4.21)
1020 (40.16)	530 (20.87)	490 (19.29)	550 (21.65)	140 (5.51)	107 (4.21)
1370 (53.94)	680 (26.77)	620 (24.41)	550 (21.65)	140 (5.51)	107 (4.21)
1020 (40.16)	530 (20.87)	425 (16.73)	550 (21.65)	140 (5.51)	123 (4.84)
1090 (42.91)	590 (23.23)	540 (21.26)	550 (21.65)	150 (5.91)	123 (4.84)
1370 (53.94)	750 (29.53)	670 (26.38)	550 (21.65)	150 (5.91)	123 (4.84)

L 2	L 4 SAE 1	L 4 SAE 0	L 4 SAE 00	L 6
473 (18.63)	64 (2.52)	-	-	680 (26.78)
564 (22.20)	109 (4.29)	109 (4.29)	-	700 (27.56)
675 (26.57)	57 (2.24)	99 (3.90)	-	840 (33.07)
795 (31.30)	-	123 (4.84)	167 (6.57)	965 (37.99)
845 (33.27)	-	-	-	1024 (40.31)
1080 (42.52)	-	-	-	1024 (40.31)
1180 (46.46)	-	-	-	1255 (49.41)
1180 (46.46)	-	-	-	1480 (58.27)
686 (27.01)	82 (3.23)	-	-	952 (37.48)
795 (31.30)	-	-	-	1000 (39.37)
870 (34.25)	-	-	-	1125 (44.29)
1095 (43.11)	-	-	-	1240 (48.82)
1150 (45.28)	-	-	-	1300 (51.18)
1600 (62.99)	-	-	-	1950 (76.77)
1500 (59.06)	-	-	-	1850 (72.83)
1600 (62.99)	-	-	-	1950 (76.77)
1730 (68.11)	-	-	-	2080 (81.89)
563 (22.17)	64 (2.52)	64 (2.52)	-	700 (27.56)
593 (23.34)	67 (2.64)	67 (2.64)	-	700 (27.56)
563 (22.17)	64 (2.52)	64 (2.52)	-	700 (27.56)
594 (23.39)	64 (2.52)	64 (2.52)	-	700 (27.56)
602 (23.70)	64 (2.52)	64 (2.52)	-	700 (27.56)
644 (25.35)	106 (4.17)	106 (4.17)	-	750 (29.53)
667 (26.26)	106 (4.17)	106 (4.17)	-	770 (30.31)
667 (26.26)	106 (4.17)	106 (4.17)	-	770 (30.31)
721 (28.39)	99 (3.90)	99 (3.90)	99 (3.90)	859 (33.81)
723 (28.46)	99 (3.90)	99 (3.90)	99 (3.90)	850 (33.46)
745 (29.33)	99 (3.90)	99 (3.90)	99 (3.90)	791 (31.14)
776 (30.55)	-	119 (4.69)	135 (5.31)	1000 (39.37)
822 (32.36)	-	119 (4.69)	135 (5.31)	1000 (39.37)
836 (32.91)	-	119 (4.69)	135 (5.31)	1000 (39.37)
851 (33.50)	-	161 (6.34)	161 (6.34)	1090 (42.91)
866 (34.09)	-	161 (6.34)	161 (6.34)	1090 (42.91)
860 (33.86)	-	161 (6.34)	161 (6.34)	1090 (42.91)
933 (36.73)	-	-	209 (8.23)	1190 (46.85)
934 (36.77)	-	-	209 (8.23)	1190 (46.85)
951 (37.44)	-	-	-	1190 (46.85)
970 (38.19)	-	-	-	1172 (46.14)
1000 (39.37)	-	-	-	1280 (50.39)
1030 (40.55)	-	-	-	1280 (50.39)

Dimensional data

Dimensions and weights exclude increases caused by various accessories and options.

Use certified drawings for installation.



MODEL	B 1
WAF 1143	1400 (55.12)
WAF 1163	1520 (59.84)
WAF 1173	1800 (70.87)
WAF 1543	1520 (59.84)
WAF 1563	1620 (63.78)
WAF 1943	1620 (63.78)
WAF 1963	1680 (66.14)
WAF 2346	1550 (61.02)
WAF 2355	1780 (70.08)
WAF 2365	2120 (83.46)
WAF 2375	2240 (88.19)
WAF 3445	1660 (65.35)
WAF 3455	1880 (74.02)
WAF 3465	2100 (82.68)
WAF 3475	2380 (93.70)
WAF 4545	1880 (74.02)
WAF 4555	1980 (77.95)
WAF 4566	2400 (94.49)
WAF 4575	2750 (108.27)
WAF 5645	1980 (77.95)
WAF 5655	2240 (88.19)
WAF 5666	2440 (96.06)
WAF 5675	2580 (101.57)
WAF 6745	2240 (88.19)
WAF 6755	2280 (89.76)
WAF 6766	2450 (96.46)
WAF 7740	2100 (82.68)
WAF 7750	2300 (90.55)
WAF 7760	

Main dimensions mm (inch)					
B 2	H 1	H 2	H 3	H 5	L 1
090 (42.91)	590 (23.23)	450 (17.72)	650 (25.59)	150 (5.91)	142 (5.59)
200 (47.24)	660 (25.98)	590 (23.23)	650 (25.59)	160 (6.30)	142 (5.59)
450 (57.09)	800 (31.50)	730 (28.74)	714 (28.11)	161 (6.30)	143 (5.59)
200 (47.24)	660 (25.98)	490 (19.29)	650 (25.59)	160 (6.30)	154 (6.06)
270 (50.00)	675 (26.57)	630 (24.80)	650 (25.59)	160 (6.30)	154 (6.06)
270 (50.00)	675 (26.57)	485 (19.09)	600 (23.62)	160 (6.30)	162 (6.38)
310 (51.57)	720 (28.35)	675 (26.57)	600 (23.62)	170 (6.69)	162 (6.38)
730 (28.74)	630 (24.80)	560 (22.05)	550 (21.65)	160 (6.30)	198 (7.80)
930 (36.61)	730 (28.74)	660 (25.98)	550 (21.65)	160 (6.30)	198 (7.80)
050 (41.34)	770 (30.31)	760 (29.92)	550 (21.65)	160 (6.30)	198 (7.80)
960 (37.80)	875 (34.45)	865 (34.06)	550 (21.65)	160 (6.30)	198 (7.80)
790 (31.10)	660 (25.98)	600 (23.62)	600 (23.62)	160 (6.30)	198 (7.80)
930 (36.61)	770 (30.31)	710 (27.95)	600 (23.62)	160 (6.30)	198 (7.80)
930 (36.61)	850 (33.47)	815 (32.09)	600 (23.62)	160 (6.30)	198 (7.80)
150 (45.28)	970 (38.19)	925 (36.42)	600 (23.62)	170 (6.69)	198 (7.80)
930 (36.61)	770 (30.31)	650 (25.59)	700 (27.56)	160 (6.30)	237 (9.33)
960 (37.80)	810 (31.89)	765 (30.12)	700 (27.56)	170 (6.69)	237 (9.33)
240 (48.82)	935 (36.81)	885 (34.84)	700 (27.56)	180 (7.09)	237 (9.33)
480 (58.27)	1055 (41.54)	1010 (39.76)	700 (27.56)	180 (7.09)	237 (9.33)
960 (37.80)	810 (31.89)	690 (27.17)	750 (29.53)	170 (6.69)	251 (9.88)
275 (50.20)	870 (34.25)	815 (32.09)	750 (29.53)	180 (7.09)	251 (9.88)
200 (47.24)	970 (38.19)	935 (36.81)	750 (29.53)	180 (7.09)	251 (9.88)
600 (62.99)	1095 (43.11)	1055 (41.54)	750 (29.53)	260 (10.24)	251 (9.88)
275 (50.20)	870 (34.25)	735 (28.94)	800 (31.50)	180 (7.09)	263 (10.35)
280 (50.39)	930 (36.61)	880 (34.65)	800 (31.50)	200 (7.87)	263 (10.35)
500 (59.06)	1030 (40.55)	1000 (39.37)	800 (31.50)	260 (10.24)	263 (10.35)
100 (43.31)	810 (31.89)	800 (31.50)	1000 (39.37)	200 (7.87)	306 (12.05)
300 (51.18)	910 (35.83)	900 (35.43)	1000 (39.37)	200 (7.87)	306 (12.05)
on request					

L 2	L 4 SAE 1	L 4 SAE 0	L 4 SAE 00	L 6
1053 (41.46)	-	-	-	1368 (53.56)
1085 (42.72)	-	-	-	1368 (53.56)
1110 (43.70)	-	-	-	1304 (51.34)
1133 (44.61)	-	-	-	1413 (55.63)
1163 (45.79)	-	-	-	1413 (55.63)
1261 (49.65)	-	-	-	1556 (61.26)
1281 (50.43)	-	-	-	1556 (61.26)
1476 (58.11)	-	-	-	1782 (70.16)
1469 (58.90)	-	-	-	1782 (70.16)
1469 (58.90)	-	-	-	1782 (70.16)
1479 (58.23)	-	-	-	1782 (70.16)
1537 (60.51)	-	-	-	1870 (73.62)
1547 (60.91)	-	-	-	1870 (73.62)
1547 (60.91)	-	-	-	1870 (73.62)
1572 (61.98)	-	-	-	1870 (73.62)
1631 (64.21)	-	-	-	1970 (77.56)
1656 (64.21)	-	-	-	1970 (77.56)
1690 (66.54)	-	-	-	1970 (77.56)
1690 (66.54)	-	-	-	1970 (77.56)
1726 (67.95)	-	-	-	2090 (82.28)
1763 (69.41)	-	-	-	2090 (82.28)
1765 (69.49)	-	-	-	2090 (82.28)
1808 (71.18)	-	-	-	2090 (82.28)
1871 (73.66)	-	-	-	2230 (87.80)
1876 (73.86)	-	-	-	2230 (87.80)
1916 (75.43)	-	-	-	2230 (87.80)
2032 (80.00)	-	-	-	2370 (93.31)
2170 (85.43)	-	-	-	2370 (93.31)